

## **Approximation of differential eigenvalue problems with a nonlinear dependence on the parameter**

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### **Abstract**

A differential eigenvalue problem with a nonlinear dependence on the parameter is approximated by the finite-element method with numerical integration. We study the error in the approximate eigenvalues and eigenfunctions. © 2014 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S0012266114070106>

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